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JOHANN WEST

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EDUCATION

Nashville, TN

Vanderbilt University

Fall 2020 - May 2024

- **B.S. in Computer Science**, May 2024. In-major GPA: 3.4
- **B.S. in Human Organizational Development**, May 2024. In-major GPA: 3.4
- **Programming Coursework**: Programming Design and Data Structures, Software Design, Database Management, Algorithms, Operating Systems, Principles of Software Development

EMPLOYMENT

Software Developer Intern II

Chalkline (30+ Employee SaaS startup)

May 2023 - August 2023

Bettor Analytics Application: B2B Business Analytics Web Application

- Spearheaded the development of .NET and Vue.js CRUD tooling and reporting application.
- Engineered 30+ API endpoints to fulfill functional project requirements, implement protected routing, and leverage user authentication.
- Designed frontend user-interface using Vue.js, maintaining MVC design principles.
- Crafted 10+ dynamic views and tools enabling B2B clients to securely access, analyze, and modify vital business data.
- Leveraged knowledge in .NET, C#, Vue.js, PostgreSQL, AWS, Bitbucket/Jira, Agile, Git, and MVC pattern.

Software Developer Intern

Chalkline (30+ Employee SaaS startup)

September 2022 - March 2023

Chalkline User Fulfillment Application: Internal CRUD Data Management Application

- Implemented an automated system managing transactional email logic, eliminating 10+ person-hours per week by automating 5000+ transactional emails monthly.
- Developed CRUD user interface, allowing employees to manage states of 1,400,000+ user instances.
- Leveraged knowledge in React.js, JavaScript, PostgreSQL, Airtable, Agile, Bitbucket/Jira, and Git.

Python Programming Instructor

Juni Learning

January 2021 - January 2022

- Provided instruction to 20+ students weekly in OOP, algorithms, and game development courses.
- Leveraged knowledge in Python, NumPy, Pandas, and Algorithms.

PERSONAL PROJECTS

CreateX Application (2023)

- Developed a virtual-asset, exchange-market application built with Django and React.js, successfully emulating market forces on an exchange-market.
- Designed RESTful backend enabling buying, selling, and user-to-user order matching.
- Implemented a PostgreSQL database schema hosted with AWS RDS.
- Leveraged knowledge in React.js, JavaScript, Django, Python, PostgreSQL, AWS, and Heroku.

SafeRoute Application (2023)

- Created SafeRoute, an application to assist potentially threatened demographics by providing region-specific safety and personal freedom information based on user input.
- Parsed the CATO Human Freedom Index into JSON format to provide a data source for developing region specific ratings.
- Leveraged knowledge in React.js, JavaScript, Express.js, and Mongo DB.

ADDITIONAL EXPERIENCE

Undergraduate Computer Science Research – Quality Adjusted Life Years Computation App (2023)

- Developed a full-stack application to provide a method of producing QALY calculations at scale to measure the impact of altruistic efforts.
- Engineered algorithm to generate QALY calculations based on user-provided parameters.
- Utilized LLM models to generate a standardized Quality Adjusted Life Years metric.

Skills

C++, .NET, C#, Django, Python, React.js, Vue.js, Express.js, JavaScript, SQL, AWS, Git, GitHub, Agile